Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Monday 18 Sep 2023 until 23:59 on Tuesday 19 Sep 2023

Forecast Issued on Monday 18 Sep 2023 at 00:07

Confidence: High for poor conditions Monday morning, improving later in the day, followed by further rain Tuesday. Also high for winds strengthening, especially Tuesday. Confidence in details then become Low but remains high for the general theme of staying unsettled with sunny spells and showers or longer spells of rain.

Headline for Monday 18 Sep 2023: Most likely dry at first. Rain band spreading east mid-morning, clearing to brighter spells and showers. Turning much cooler on the tops.

Mountain weather hazards on Monday 18 Sep 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
No Likelihood

Severe chill effect
Low Likelihood

Poor visibility
Medium Likelihood

Thunderstorms
Low Likelihood

Heavy persistent rain
Low Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Heavy Rain	Light rain	Sunny intervals	Heavy rain showers	Light rain showers
Precipitation probability					
30%	60%	40%	30%	30%	30%

Forecast for Monday 18 Sep 2023

Weather: Cloud thickening from the west during the morning, ahead of a band of heavy and perhaps thundery, rain moving east just before midday. Rain clearing early afternoon, with sunny spells, but also brisk westerly winds developing. Further isolated and gusty showers also spreading east, perhaps heavy and thundery at times, but moving quickly through. Feeling much cooler, especially on the tops.

Chance of cloud-free hill tops above 600m: 40%, with clearest conditions in west, improving to 90% early afternoon.

Low cloud and visibility: Widespread cloud at 500m, but perhaps patchier across western hills. Cloud briefly descending to around 400m with the passing of rain band later morning, then lifting to be largely above summits Moderate to Poor visibility beneath the cloud during the morning, but increasing to Very good or excellent views during the afternoon, although views of distant hills occasionally limited due to passing showers.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.

Mountain Weather Forecast

Forecast for Monday 18 Sep 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	18/25 SW	20/27 SW	22/31 W	25/35 W	25/35 W	24/33 SW	23/32 SW
300	13/21 S	16/23 SW	19/28 W	21/32 W	17/28 W	18/27 SW	17/26 SW
Valley	7/20 S	11/22 SW	13/25 W	16/32 W	12/27 W	11/25 SW	11/25 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	12/9	12/8	10/6	10/5	7/2	7/2	6/2
300	14/12	14/11	12/9	12/9	10/7	9/6	9/6
Valley	14/13	14/12	13/10	14/10	10/8	10/7	10/7
Freezing Level*	2400m	2500m	2200m	1600m	1500m	1500m	1500m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Very poor conditions for at times during the morning, with rain. Hills becoming much clearer, but also autumnal feeling during the afternoon. Further showers, perhaps thundery, will mean waterproofs will be needed and these could come and go rapidly, leading to sudden changes on the tops. Turning rather cold in exposure, with brisk winds.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Mon 18 Sep 2023	0mm	0mm	0mm

Forecast for Tuesday 19 Sep 2023

Weather: Cloud thickening from the west, with rain and drizzle spreading east during the morning. Rain and drizzle gradually easing through the day, but persistent on western upslopes. Some eastern hills staying dry. Milder than Monday, despite the very strong winds continuing to gradually strengthen. Chance of heavier, thundery rain after dark.

Maximum wind: Southwesterly 30mph gusting 50mph.

Chance of cloud-free hill tops above 600m: 70% at first, but soon falling to 20% in west, 70% in east. Best chances during the afternoon.

Low cloud and visibility: Widespread cloud spreading east during the morning and obscuring hills at 600m in west, with areas of cloud possible at 400m. Cloud more broken and patchy at 600m further east, with the best chance of clearer intervals during the afternoon. Moderate visibility for much of the day, and occasionally poor in any rain.

Temperature: **Valleys:** Plus 8 Celsius rising to Plus 19 Celsius
At 600m: Plus 6 Celsius rising to Plus 14 Celsius
Freezing level: Above summits.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.